

CLAIM LISTING

1-9. (canceled)

10. (previously presented) A method for maintaining SIP contact addresses, the method comprising:

receiving a first registration message for a remote unit from a first SIP proxy user agent (UA);

storing, as a member of a group of contact addresses for the remote unit, both a first contact address based on the first registration message and a first creation timestamp for the first contact address;

receiving a second registration message for the remote unit from a second SIP proxy UA after receiving the first registration message;

storing, as a member of the group of contact addresses for the remote unit, both a second contact address for the remote unit and a second creation timestamp for the second contact address;

receiving a third registration message for the remote unit from the first SIP proxy UA;

sending, in response to the third registration message, a response that indicates a contact address more recent than any provided by the first SIP proxy UA;

receiving a deregistration message for the remote unit from the first SIP proxy UA; and

removing, from the group of contact addresses for the remote unit, the first contact address.

11. (original) The method of claim 10 wherein the response that indicates a contact address more recent than any provided by the first SIP proxy UA comprises a SIP 200 OK message and at least one creation time stamp.

12. (original) The method of claim 11 wherein the response further comprises a group of contact addresses and a creation time stamp for each.

13. (original) The method of claim 10 wherein the first registration message comprises a SIP REGISTER message, the second registration message comprises a SIP REGISTER message, and the third registration message comprises a SIP REGISTER message.

14. (original) The method of claim 10 wherein the deregistration message comprises a SIP REGISTER message with an Expires header value of "0".

15. (canceled)

16. (currently amended) A SIP registrar comprising:
a SIP location data base; and
a SIP location processor, communicatively coupled to the SIP registration data base,
adapted to
 receive a first registration message for a remote unit from a first SIP proxy user
agent (UA),
 store in the SIP location data base, as a member of a group of contact addresses
for the remote unit, both a first contact address based on the first registration message
and a first creation timestamp for the first contact address,
 ~~receiving~~ receive a second registration message for the remote unit from a
second SIP proxy UA after receiving the first registration message,
 ~~storing~~ store in the SIP location data base, as a member of the group of contact
addresses for the remote unit, both a second contact address for the remote unit and a
second creation timestamp for the second contact address,
 ~~receiving~~ receive a third registration message for the remote unit from the first
SIP proxy UA,
 ~~sending~~ send, in response to the third registration message, a response that
indicates a contact address more recent than any provided by the first SIP proxy UA,
 ~~receiving~~ receive a deregistration message for the remote unit from the first SIP
proxy UA, and
 ~~removing~~ remove, from the group of contact addresses for the remote unit, the
first contact address.